MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

FEBRUARY, 1939

J. A. BROWN, DIRECTOR

Printed at the American Press
Beirut, Syria

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WEATHER BUREAU

FEBRUARY 1939

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	53.7	54.1	56.6	54.8	20.0	10.3	19.1	17.3	13.8	16.7
2	6.2	7.5	60.5	8.1	16.2	11.1	13.1	15.2	13.3	13.9
3	63.5	64.5	6.4	64.8	15.0	9.6	13.8	14.4	13.3	13.8
4	8.1	7.7	7.4	7.7	15.0	8.3	12.7	13.8	12.4	13.0
5	5.3	2.9	2.0	3.4	14.7	11.1	11.1	13.8	12.2	12.4
6	59.1	57.5	57.6	58.1	16.7	12.4	14.1	16.3	12.8	14.4
7	7.0	7.1	9.2	7.8	18.3	12.4	15.8	17.7	14.4	16.0
8	60.8	61.8	63.3	62.0	15.6	10.6	13.8	15.5	13.8	14.4
9	4.3	3.8	3.9	4.0	15.9	10.6	13.8	15.5	13.8	14.4
10	5.9	5.2	5.2	5.4	16.6	10.6	14.4	16.2	12.6	14.4
11	61.4	61.3	59.8	60.8	17.2	11.7	12.9	16.6	12.4	14.0
12	55.5	55.2	5.1	55.3	14.0	9.7	13.6	11.1	10.5	11.7
13	9.1	61.1	64.0	61.4	15.9	11.1	12.7	15.5	14.4	14.2
14	66.5	6.1	6.6	6.4	17.2	11.1	14.9	16.6	13.0	14.8
15	4.6	1.4	1.5	2.5	17.7	12.8	13.3	17.3	13.7	14.8
16	61.4	60.8	60.4	60.9	17.8	10.4	15.5	17.1	15.5	16.0
17	58.3	58.1	59.3	58.6	15.6	10.6	14.7	14.4	11.8	13.6
18	62.6	62.3	63.2	62.7	16.2	10.6	11.1	14.9	12.2	12.7
19	4.6	3.6	4.2	4.1	15.6	9.4	13.4	14.9	11.6	13.3
20	3.4	2.3	2.7	2.8	16.3	11.7	13.0	15.9	12.4	13.8
21	59.7	57.0	54.3	57.0	16.1	10.6	14.1	13.8	12.2	13.4
22	4.3	6.2	8.7	6.4	15.7	10.8	14.0	13.8	12.7	13.5
23	60.6	9.9	60.7	60.4	16.9	10.8	13.8	16.1	12.2	14.0
24	0.7	61.3	2.6	1.5	16.9	11.1	12.7	15.5	12.2	13.5
25	4.5	4.4	4.6	4.5	16.2	10.2	13.6	12.3	11.9	12.6
26	64.9	64.2	64.5	64.5	17.4	10.3	14.1	16.9	16.6	15.9
27	4.8	4.2	3.8	4.3	16.7	10.0	13.8	16.1	13.0	14.3
28	1.4	58.0	58.1	59.2	18.5	10.6	14.9	17.7	15.2	15.9
	761.51	760.70	761.65	761.41	16.52	10.73	13.85	15.43	13.07	14.12

Barometer, range for month 753.7 mm. –768.1 mm.
„ 62-yr. average for month 762.1 mm.
Thermometer, range for month 8.3 C.—20° C.
„ 62-yr. average for month 14.28° C.
Rain, total for month 194.8 mm.
„ , 62-yr. average for month 161.29 mm.
„ , total, from Sept. 1st 795.9 mm.
55-yr average, Sept. 1st 736.8 mm.

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	8.3	11.9	9.5	9.9	51	81	81	71	5.8	991.5	14.5
2	10.7	8.9	8.6	9.4	95	69	75	80	0.3	812.0	60.4
3	7.7	7.5	8.6	7.9	66	61	75	67	4.6	506.0	4.6
4	8.2	7.7	7.2	7.7	75	66	67	69	9.2	608.0	
5	7.3	8.3	8.5	8.0	74	70	80	75	4.7	293.5	
6	8.5	9.2	9.1	8.9	71	67	82	73	7.6	322.5	
7	10.1	10.2	10.3	10.2	75	68	84	76	5.4	521.0	
8	9.5	9.3	7.7	8.8	81	71	66	73	2.5	534.3	3.0
9	7.7	9.3	8.0	8.3	66	71	67	68	10.3	646.7	
10	7.0	7.8	7.0	7.3	57	57	65	60	10.3	463.0	
11	7.6	8.8	7.2	7.9	68	63	67	66	10.1	650.0	
12	8.9	7.9	8.2	8.3	77	80	87	81	0.1	600.0	8.3
13	7.9	8.1	7.5	7.8	72	63	61	65	10.3	317.0	2.8
14	8.4	8.8	8.4	8.5	66	63	75	68	10.3	253.5	
15	8.2	9.7	8.7	8.9	71	66	74	70	9.8	537.0	
16	9.3	6.5	9.7	8.5	71	45	72	62	7.8	504.0	0.5
17	9.1	8.1	8.1	8.4	74	66	78	73	1.5	595.0	42.2
18	9.1	9.6	9.1	9.3	93	76	87	85	4.9	418.0	3.8
19	8.5	8.1	7.6	8.1	74	63	74	70	7.4	269.0	2.3
20	6.5	8.6	8.3	7.8	58	64	77	66	7.2	229.6	
21	9.1	10.2	9.1	9.5	76	87	87	83	0.0	605.0	10.2
22	9.9	10.6	8.2	9.6	83	91	75	83	2.3	378.5	16.5
23	8.9	10.0	9.1	9.3	75	74	87	79	3.6	488.0	8.4
24	9.5	11.1	9.1	9.9	87	85	87	86	5.1	280.5	11.4
25	9.7	9.9	8.0	9.2	84	93	77	85	2.0	287.0	4.9
26	8.8	9.3	9.4	9.2	73	66	66	68	10.2	306.0	1.0
27	7.7	7.9	7.8	7.8	66	58	70	65	10.8	313.0	
28	8.4	9.5	7.2	8.4	66	63	56	62	5.5	335.0	
	8.59	9.03	8.40	8.67	73.0	69.5	74.9	72.5	6.06	466.6	6.96

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
62-year averages are for period, 1875-1936

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METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	10ni	8cuni	6.0	6w	6sw	5w	mod.	
2	10ni	10ni	10ni	10.0	7s	5sw	6w	rough	
3	8cuni	5cu	9cu	7.3	4sw	5w	2w	mod.	
4	5cu	2cu	2cu	3.0	3e	4n	6n	slight	
5	8ci	5ci	10cuci	7.7	3w	2n	2n	calm	
6	8ci	7ci	8ci	7.7	1se	2w	2w	slight	
7	10ci	3ci	0	4.3	2e	5s	4w	„	
8	10cuni	9cu	0	6.3	4e	2e	6e	calm	
9	0	0	0	0.0	3e	3n	5n	slight	
10	0	2ci	0	0.7	1n	2nw	4n	calm	
11	2ci	2cu	0	1.3	3se	2w	3w	„	
12	10ni	10ni	10ni	10.0	7sw	5s	4s	mod.	
13	0	0	0	0.0	2se	3nw	3n	„	
14	2ci	0	0	0.7	3se	2n	3n	calm	
15	0	0	10cuci	3.1	2e	4n	5nw	slight	
16	6cu	8cuci	10ni	8.0	2e	3w	4w	calm	
17	10ni	10ni	5ci	8.3	4w	5s	5s	mod.	
18	5cuni	8cu	10ni	7.7	2se	4s	4sw	slight	
19	5cu	5ci	6ci	5.3	2w	3nw	1n	„	
20	9ci	8ci	0	5.7	0	2n	1n	calm	
21	10cuni	10ni	10ni	10.0	2s	2s	2s	„	
22	10cuni	10ni	2cu	7.3	5sw	3w	2w	mod.	
23	3cu	10ni	10ni	7.7	2s	3s	4sw	calm	ligtn.&th.st at night
24	9ni	10ni	3cu	7.3	3s	3s	2s	slight	
25	10cuni	10ni	0	6.7	2s	3s	3w	„	
26	2cu	2cu	0	1.3	2s	3n	3n	calm	
27	0	3ci	0	1.0	2e	4n	2n	slight	
28	9ci	10cuni	10ci	9.7	1e	2n	2n	„	
					80	92	95		
				5.50	2.9	3.3	3.4		

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	0	8	5	6	3	4	0	1	28
14:30	9	0	1	0	8	2	5	3	0	28
20:30	11	0	1	0	4	2	9	1	0	28
Totals	21	0	10	5	18	7	18	4	1	84

Number of days with rain 16, fog 0, thunderstorms, 1 gale 0.

62-yr. average number of days with rain during month 14